

CERRO COPPER PRODUCTS CO.

A member of The Marmon Group of companies

INTERNAL MEMORANDUM

OTHER ADDRESSEES - FOR INFORMATION

cc: R. Conreux
J. Schuster
J. Sundstrom
P. Tandler

153829

1104

HQ-10

SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

TO: Sewage Treatment Cost Task Force

DATE: January 27, 1984

FROM: Sandy Silverstein

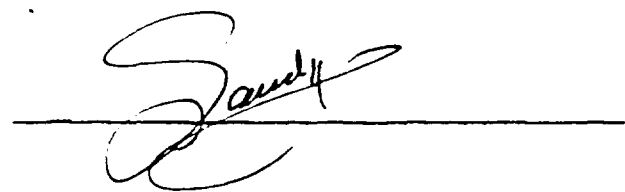
SUBJECT: Resource Data

Attached are charts showing quantities and costs for 1982. These, together with the 1983 charts that were distributed on January 19, should give a fairly comprehensive picture of our recent experience.

Our next step should be an analysis of these data for potential cost reduction measures in 1984. Some initial points for consideration are:

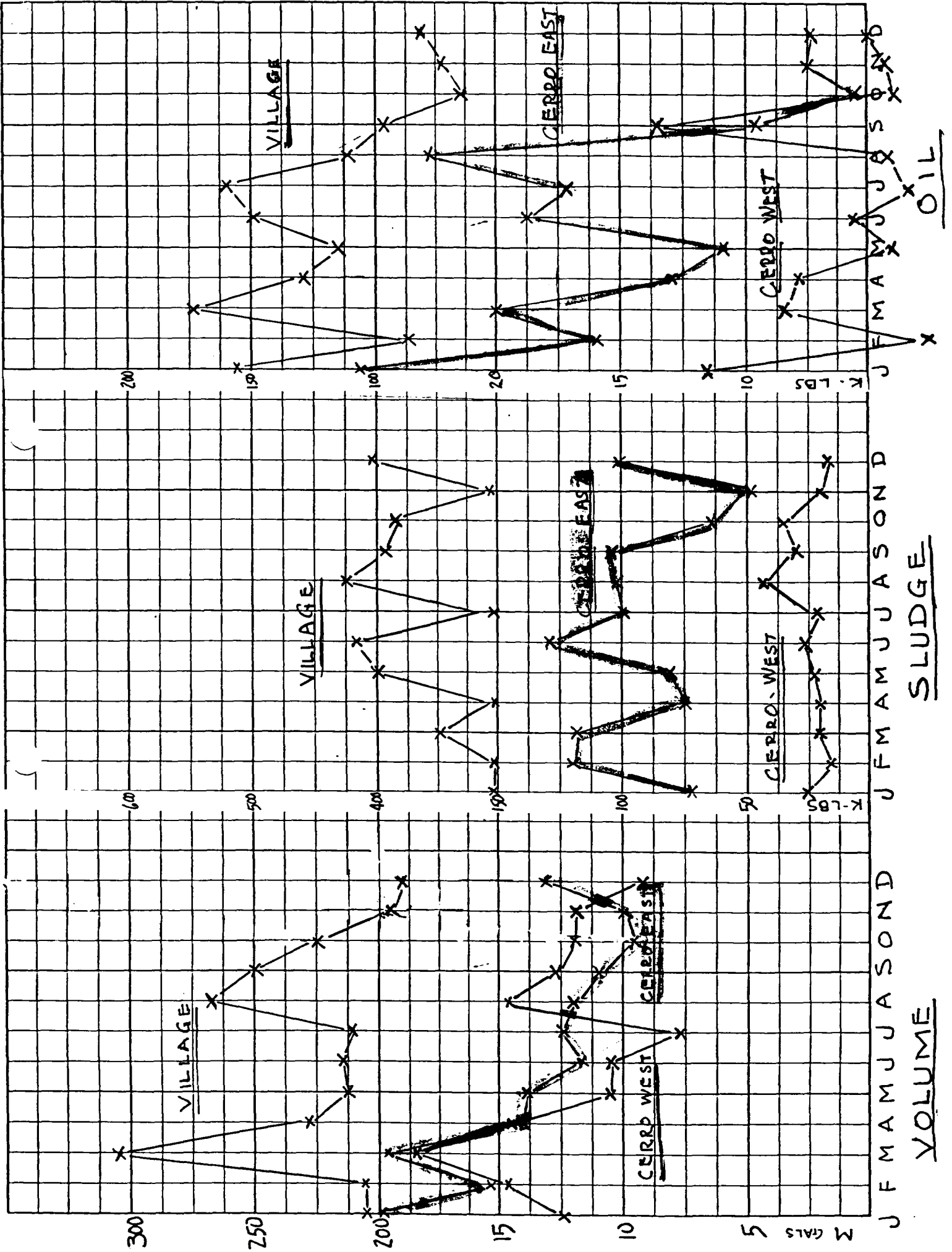
1. Sludge represents more than 50% of our total cost; it does not appear to be proportional to volume.
2. Sludge costs for 1983 dropped significantly from 1982. It is assumed the drop in the last half of 1983 was due to start-up of anode cooling water system - why was first half of 1983 lower than 1982?
3. Although oil cost is relatively low, there was a significant increase in quantity of oil from Cerro East for last four months of 1983.

SAS/jpl



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1986



4 DIVISIONS PER INCH
CONTROL COMPANY

1782

TOTAL
COST

FLOW

OIL

ACIDITY

4 DIVISIONS PER MONTH
CONTRACT COMPANY



CO3655